JOB SHEET 2-3-82
ACKNOWLEDGING/INTERPRETING ALERT MESSAGES

INTRODUCTION

When user specified alert criterion is met in a defined alert area, an alert message is sent to the Associated PUP. Messages are visible on both graphic screens at the feedback line and at the Applications Terminal on the status lines at the bottom of the screen. The alert messages are also listed in the Status of the System and Status of the Alerts menus. In addition to the alert messages, an audible alarm sounds, if the user so desires, to announce the arrival of the alerts. The alarm continues until the alert is acknowledged, canceled, or the alert condition is no longer in effect.

Alerts are acknowledged on either the Applications Terminal or the Graphic Tablet. They do not need to be acknowledged on both, and can be left unacknowledged without ill effects.

OBJECTIVE

Using both the Applications Terminal and the Graphic Tablet, you will be able to acknowledge alerts and interpret alert status lines.

REFERENCES

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Section 8.3.1 and Information Sheet on Alerts

PROCEDURE

NOTE: - In order to perform this Job Sheet, alerts must be set and in effect at your PUP.

1.   Notice the Alert Status Lines on the bottom of both graphic screens and just above the Status Lines on the Applications Terminal.

   -    When an alert is generated, an abbreviated message appears on the Alert Status Line of both graphic screens and the Applications Terminal. These alerts are termed "unacknowledged" alerts and take up to two lines on the graphic screens and one line on the Applications Terminal. When the criterion for an alert is met, the word "**ALERT**" flashes in purple on the graphic screens and light to dark green at the Applications Terminal. If the audible alarm switch is turned on, in 30 seconds, except for the MESO and TVS alerts, the audible alarm sounds.

NOTE - Mesocyclone and TVS alerts are "Instantaneous". That is, the audible alarm and alert message are simultaneous. All other alerts are "30-second" alerts. This means you have 30 seconds to acknowledge them, once the alert message has been received, and thereby prevent the audible alarm from going off.

-    If you have opted to receive the Alert-Paired Product, it arrives shortly after the alert message. The product may be observed on the RPG Product Received Line (ex):

> PROD RCVD: SRR ALR
> KWXD 0235   2.5

2.   a.   At the Graphic Tablet, select **ACK ALERT** (acknowledge alert) with the puck using either button.

<div align="center">- or -</div>

   b.   At the Applications Terminal, select **F16, ACKNOWLEDGE ALERT**.

-    Either of these actions stops both the message from flashing, and the audible alarm from sounding.

-    When an alert is acknowledged, the abbreviated message is moved from the "unacknowledged alert" line to the "acknowledged alert" line. This is the line just below the 2 unacknowledged alert lines on the graphics monitor, and the line just below the single unacknowledged alert line on the Applications Terminal.

-    The alert message takes the form of a two-letter acronym. The first letter identifies which "Group" the alert is from (V=Volume, G=Grid, F=Forecast). The next letter identifies the alerting feature (for ex: M=Mesocyclone, V=Velocity, etc). See Information Sheet 2-4-1 on Alerts for a full listing of the possible alerts.

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| 17 F 1 | 18 F 2 | 19 F 3 | 20 F 4 | 21 F 5 | 22 F 6 | 23 F 7 | 24 F 8 | 25 F 9 | 26 F 10 | 27 F 11 | 28 F 12 | 29 F 13 | 30 F 14 | 31 F 15 | 32 F 16 |

| ESC | ! 1 | @ 2 | # 3 | $ 4 | % 5 | ^ 6 | & 7 | * 8 | (9 |) 0 | _ - | + * | BACK SPACE | ~ ` | LOCAL CLEAR | PORT |

| TAB | Q | W | E | R | T | Y | U | I | O | P | { [| }] | RETURN | SEND | HOME | SETUP RESET |

GRAPHIC TABLET

KEYBOARD   **SYMBOLS**   **USER FUNCTIONS**

EDIT COMMANDS

EDIT ANNOT	EDIT ALERT AREA	DELETE ALERT BOX	ADD ALERT BOX	DEL RCTL	ADD RCTL		EDIT RCM PART A		EDIT RCM PART C		57 25	58 26	59 27	60 28	61 29	62 30	63 31	64 32
EDIT MAP	HIGH DETAIL	! 1	@ 2	# 3	$ 4	% 5	^ 6	& 7	* 8	(9	) 0	+ =	BACK SPACE	51 19	52 20	53 21	54 22	55 23	56 24
START ERASE	END ERASE	Q	W	E	R	T	Y	U	I	O	P	– -	RET	45 13	46 14	47 15	48 16	49 17	50 18
START LINE	END LINE	A	S	D	F	G	H	J	K	L	: ;	" '	UPPER SHIFT	39 7	40 8	41 9	42 10	43 11	44 12
CANCEL EDIT	EXIT EDIT & SAVE	Z	X	C	V	B	N	M	< ,	> .	? /	SPACE	LOWER SHIFT	33 1	34 2	35 3	36 4	37 5	38 6

User Functions

26	27	28	29	30
21	22	23	24	25
16	17	18	19	20
11	12	13	14	15
6	7	8	9	10
UF1	2	3	4	5

PARAMETERS (left column)

- AZRAN SELECT
- CROSS SECTION SELECT
- RPG
- TIME
- DATE
- REPEAT COUNT
- END HOUR
- SLICE/ DURATION
- CENTER AZIMUTH
- CENTER RANGE
- STORM DIRECTION
- STORM SPEED
- CONTOUR INTERVAL
- ALL/ONE SWA
- MATCH PARA-METERS
- DEFAULT PARA-METERS

DISPLAY FUNCTIONS

CANCEL UF	SPEED DOWN	SPEED UP	FRAME BACK	FRAME FORWARD
TIME LAPSE RES/HLT	TIME LAPSE 1	TIME LAPSE 2	TIME LAPSE 3	CONTINUOUS LOOP
AUTO RES/HLT	QUAD 1	QUAD 2	RECENTER MAG 1X	RECENTER MAG 2X
FULL SCREEN	QUAD 3	QUAD 4	RECENTER MAG 4X	RECENTER MAG 8X
CLEAR SCREEN/ QUAD	FILTER	COMBINE DOWN	COMBINE UP	CURSOR HOME DEFINE
BLINK COLOR LEVEL	RESTORE DISPLAYED PRODUCT	GRAY/COLOR SCALE	CURSOR AUTO/ MANUAL	CURSOR LINK/UNLINK
ALL QUADRANTS	HARD COPY	PRESET CENTER	CURSOR HOME	AZRAN R/ LAT LON/ AZRAN H

PRODUCT OVERLAYS

2a —

ACK ALERT	CELL TRENDS	VR/SHEAR DISPLAY	CURRENT CROSS SECTION CR	ANNOT'S AN
HAIL HI	MESO M	TVS TV	STORM TRACK ST	ATTRIBUTE AT
ALERT AREA 1 A1	ALERT AREA 2 A2	SWP SW		COMBINED SHEAR CONTOUR SC
OVERLAYS OFF/ON	OVERLAYS ERASE	MAP OVERLAY DELETE	STOP BLINK	PAGE ATTRIBUTE

PARAMETERS (bottom)

ELEVATION UP	LOW PRIORITY	DISPLAY PRODUCT
ELEVATION DOWN	REQUEST MAPS	
LOWEST ELEVATION	BLANK TIME DATE	SEND RPG REQ
DED ASSOC RPG	.13 NM	8 LEVEL
DIAL-UP ASSOC RPG	.27 NM	16 LEVEL
RPG 1	.54 NM	HIGH ALT
RPG 2	1.1 NM	MID ALT
RPG 3	2.2 NM	LOW ALT

PRODUCTS

BASE REF R	COMP REF CR	COMP REF CONTOUR CRC	ECHO TOPS COUNTOUR ETC	REF CROSS SECTION RCS	ACK PRODUCT	DISPLAY QUEUED PRODUCT	PRODUCT OFF/ON
BASE VEL V	STM REL VEL REGION SRR	STM REL VEL MAP SRM	ECHO TOPS ET	VEL CROSS SECTION VCS	PRODUCT BACK	PRODUCT FORWARD	TRANSFER SCREEN PRODUCT
BASE SPECTRUM WIDTH SW	COMBINED SHEAR CS	COMBINED SHEAR CONTOUR CSC	COMBINED MOMENT CM	SPECTRUM WIDTH CROSS SECTION SCS	NEXRAD UNIT STATUS	CLEAR QUEUE	REDISPLAY LAST PRODUCT
ONE HOUR PRECIP OHP	THREE HOUR PRECIP THP	STORM TOTAL PRECIP STP	USER SELECTABLE PRECIP USP	STORM TRACK STI	TORNADO VORTEX SIGNATURE TVS	RADAR CODED MESSAGE RCM	ALL SWA PRODUCTS
MESO M	SEVERE WEATHER PROBABILITY SWP	WEAK ECHO REGION WER	VERTICALLY INTEGRATED LIQUID VIL	VELOCITY AZIMUTH DISPLAY VAD	HAIL HI	SWA REF SWR	SWA VEL/SRR SWV/SWR
LAYER COMP REF MAX LRM	LAYER COMP TURB MAX LTM	LAYER COMP REF AVG LRA	LAYER COMP TURB AVG LTA	VAD WIND PROFILE VWP		SWA SPECTRUM WIDTH SWW	SWA SHEAR SWS

BACKGROUND MAPS

MAPS OFF/ON	MAPS ERASE	MAPS FOREGD/ BACKGD	CANCEL **HELP**
STATE LAT/LON ST	COUNTY CO	HIGHWAY HY	RADAR SITES RS
RIVER RV	RIVER BASIN RB	RDA	RANGE RING
WARNING AREA WA	MIL OPN AREA MO	POLAR GRID	LFM GRID LF
RSTRCTD AREA RA	PRHBTD AREA PA	AIRWAY HIGH AH	CITY CI
NAVAID NA	AIRPORT AP	AIRWAY LOW AL	COUNTY NAMES CN

USER ALERT MESSAGE (UAM)

3.   a.   From the Main Menu at the Applications Terminal, type **D,A,UAM** and press **RETURN**.

       b.   When the Alphanumeric Product Display Screen comes up, press **RETURN** again to get the most recent message.

4.   The latest **User Alert Message (UAM)** is displayed.

   -   The User Alert Message is an <u>end of volume</u> product. This is different from alerts, which are generated anywhere in the volume scan. Therefore, you must wait until the end of the volume scan, in which the alert was generated, in order to see information about that alert in the UAM. Remember that an alert condition may exist for several volume scans, the UAM containing information about that alert is present only in the message at the end of the volume scan in which the alert was generated. If no <u>new</u> alerts are generated the next volume scan, the UAM specifies that "NO NEW ALERTS PRESENT THIS SCAN", even though you may have outstanding alerts.

   -   Information about outstanding alerts may be located in the Status of Alerts Menu (**S,AL**), or in the System Status file (**S,S**).

       NOTE Keep in mind that alerts may remain unacknowledged with no ill effects on the system. In addition, canceling alerts at the PUP does not clear the RPG of the alerting condition, it only wipes this alert off the screen at the PUP. The RPG still assumes that the alert is in effect until the criteria for clearing this alert has been met (See the Information Sheet on Alerts in the Lab Guide).

END

ALPHANUMERIC PRODUCTS

COMMAND: D,A,UAM
FEEDBACK:

Select an Alphanumeric Product from the following list.

3a

SS	Storm Structure	VWP	VAD Wind Profile
UAM	**User Alert Message**	STI	Storm Tracking Information
RCM	Radar Coded Message	HI	Hail Index
FTM	Free Text Message	M	Mesocyclone
PTM	PUP Text Message	TVS	Tornado Vortex Signature
OHP	One Hour Precip	THP	Three Hour Precip
STP	Storm Total Precip	CS	Combined Shear
CSC	Combined Shear Contour	SPD	Supplemental Precipitation Data

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DISPLAY GRAPHIC PRODUCT EDIT SCREEN

COMMAND: D,A,UAM
FEEDBACK:

3b

Edit product parameters and press RETURN to request product.

PROD				REQ	RPT
NAME	RPG	TIME	DATE	PRI	CNT
UAM				H	1

ALPHA PRODUCT 73 (UAM KWXD 22:30 09/24/96)   page 1 of 2

COMMAND: D,A,
FEEDBACK: Executed - D,A,UAM

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ALERT AREA #	2
ALERT BOX AZIMUTH	120.4 DEG
ALERT BOX RANGE	75.5 NM
ALERT CATEGORY	VIL
THRESHOLD	45Kg/m2
EXCEEDING VALUE	55Kg/m2
STORM ID	A1
ALERT AREA #	1
ALERT BOX AZIMUTH	123.5 DEG
ALERT BOX RANGE	80.5 NM
ALERT CATEGORY	MAX STORM REFL
THRESHOLD	65 DBZ
EXCEEDING VALUE	70 DBZ
STORM ID	B2